User-friendly

- Large, easy-to-read color touchscreen
- Freely configurable user interface

Innovative

- Slideshow with automatically changing information
- WLAN interface for the display of online data

Simple

- Intuitive operation via touch screen
- Easy-to-understand display of all key plant data

Safe

- Audio and visual alarm
- Data archiving and backup via microSD

SUNNY VIEW

Stylish visualization for the home

Now your plant data is live and in color: The Sunny View offers you more than just a reliable visualization of the solar power yield. Plant operators can use the large, easy-to-read five-inch color touchscreen to display all key PV data, as well as to receive news, meteorological data, and posts from social networks via WLAN. All relevant information will be presented in an individually configurable slideshow. Including fully-automatic monitoring – the device uses *Bluetooth*® to communicate with up to 12 inverters and can send a visual and acoustic warning signal in the event of a failure.

Wireless communication with inverters via *Bluetooth*

Large, easy-to-read color touchscreen

Visual and acoustic alarms

microSD card slot for data archiving, storage, and export

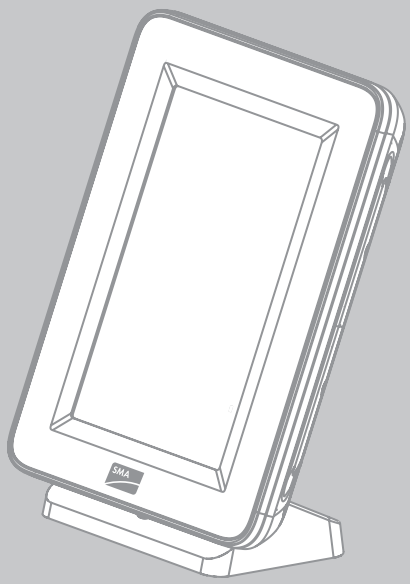
WLAN interface for news and weather

Technical data	Sunny View	
Communication		
Inverter communication	*Bluetooth*	
PC communication	SDHC card (micro SD)	
Number of SMA devices		
Bluetooth	Max. 12	
Max. communication range		
Bluetooth in free-field conditions	Up to 100 m (can be extended with an SMA *Bluetooth* Repeater)	
Voltage supply		
Voltage supply	External plug-in power supply	
Input voltage	90 V – 240 V, 50 / 60 Hz	
Power consumption	Type. 3,75 W, max. 8 W	
Ambient conditions in operation		
Ambient temperature	0 °C ... +40 °C (+32 °F ...+104 °F)	
Max. permissible value for relative humidity (non-condensing)	5 % ... 95 %	
Degree of protection (according to IEC 60529)	IP20	
Memory		
Internal	16 MB as ring buffer	
External	SDHC carte (microSD), max. 8 GB	
General data		
Dimensions (W / H / D) with tabletop stand	109 / 165 / 75 mm (4.3 / 6.5 / 3.0 inch)	
Dimensions (W / H / D) without tabletop stand	109 / 152 / 23.5 mm (4.3 / 6.0 / 0.9 inch)	
Weight with tabletop stand	0.293 kg (0.6 lb)	
Weight without tabletop stand	0.245 kg (0.5 lb)	
Mounting location	Indoor	
Mounting type	Wall mounting, tabletop device	
Software languages	German, English, Italian, French, Dutch, Greek, Japanese	
Languages of the manual	German, English, Italian, French, Dutch, Greek, Japanese	
Features		
Display	5 inch (12.75 cm), 16 million colors, resolution 480 x 800 pixels	
Operation	Touch screen	
Warranty	2 years	
Certificates and approvals	www.SMA-Solar.com	
Accessories		
USB plug-in power supply	●	
SMA *Bluetooth*® Repeater	For extending the maximum *Bluetooth*- Communication range	
● Standard feature o Optional feature – Not available		
Type designation	View-10	

SUNNYVIEW-DEN131221 SMA and Sunny View are registered trademarks of SMA Solar Technology AG. *Bluetooth*® is a registered trademark of Bluetooth SIG, Inc. No liability for typographical errors. Printed on chlorine-free paper.

Device for Plant Monitoring
SUNNY VIEW

Quick Reference Guide for Commissioning



SunnyView-SE-US-en-11 | A30851-X3151-A103-1-X143 | Version 1.1

EN CA US

Safety Precautions

⚠ WARNING

To reduce the risk of personal injury and to ensure the safe installation and operation of the product, you must carefully read and follow all instructions, cautions and warnings in the CD-ROM manual attached to the product before installing or using the product.

Danger to life due to electric shock

Lethal voltages are present in the conductive parts of the plug-in power supply.

- Only use the Sunny View indoors and in a dry environment; keep it away from liquids.
- Do not open the plug-in power supply.

NOTICE

Preventing unauthorized access

PV plants are delivered with "0000" as default password. In other words, unauthorized users can gain access to the data of your PV plant.

- Change the default plant password (see user manual).

Sharp or pointed objects can damage the display.

- Use your finger or the touch-screen stylus pen to control the Sunny View.

Damage to the Sunny View due to moisture penetration

The Sunny View is not splash-proof.

- Only use the Sunny View in a dry, indoor environment.

INFORMATION ON THIS MANUAL

Validity

This manual is valid for the Sunny View type VIEW-10.GR1.
The type designation can be found on the type label on the back of the Sunny View.

Target Group

This manual is intended for end users and skilled persons.

Nomenclature

Complete designation	Designation in this manual
SMA Solar Technology America, LLC	SMA
SMA Solar Technology Canada Inc.	SMA
SMA Solar Technology AG	SMA

SECURITY

Intended Use

The Sunny View is a communication product that receives, displays and stores data from SMA inverters.

The Sunny View is only suitable for indoor use.

The Sunny View may only be used with original accessories that are produced or recommended by SMA.

For safety reasons, it is forbidden to modify the product or install component parts that are not explicitly recommended or distributed by SMA.

The data collected by Sunny View regarding the power generated by your PV plant may deviate from the electricity meter data.

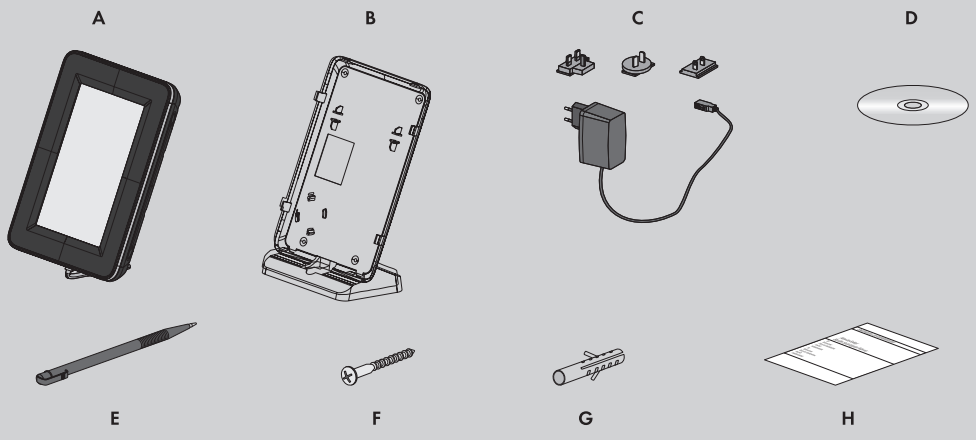
- The Sunny View data must not be used for billing purposes.

Only use the Sunny View in accordance with the information provided in the enclosed documentation. Any other use can result in personal injury or material damage.

The enclosed documentation is a part of this product. Read and follow the documentation for the proper and optimum use of the Sunny View. Keep all enclosed documentation in a convenient place for future reference.

SCOPE OF DELIVERY

Check the delivery for completeness and any visible external damage. Contact your specialty retailer if the delivery is incomplete or you find any damage.



Item	Quantity	Description
A	1	Sunny View
B	1	Tabletop stand
C	1	Plug-in power supply with adapter
D	1	User manual CD
E	1	Stylus pen
F	2	Screws
G	2	Screw anchors
H	1	Quick Reference Guide for Commissioning

MOUNTING

Installation Location Requirements

- ☐ The installation location must be indoors.
- ☐ The ambient temperature must be between 0°C (+32°F) and +40°C (+104°F).
- ☐ The installation location must be protected against dust, moisture, and corrosive substances.
- ☐ Devices that use the 2.4 GHz radio spectrum (e.g. microwave ovens) must be kept at a minimum distance of 1 m (3 ft. 4 in.). This will prevent reduced connection quality and decreased data transmission speed.
- ☐ The distance between the Sunny View and the devices that use SMA *Bluetooth*® Wireless Technology must not be too great. In free-field conditions, the maximum range is 100 m (328 ft.). Depending on the ambient conditions, this range may decrease.
- ☐ There must be no sources of interference (e.g. steel walls) between the Sunny View and devices with *Bluetooth*.

Installing the Sunny View

1. Push the tabletop stand onto the back of the Sunny View.
2. Install the Sunny View at a suitable location.

Mounting the Sunny View on the Wall

1. Select the mounting location taking into consideration the requirements for the installation location.
2. Mark the drill holes and drill them: (distance between the drill holes: 56 mm (2 $^{13}/_{64}$ in.), diameter of the drill holes: 6 mm ($^{15}/_{64}$ in.)).
3. Insert screw anchors into the drill holes.
4. Screw the screws into the screw anchors.
5. Hang the Sunny View onto the screws.

DETERMINING A FREE NETID

The NetID serves to distinguish PV plants with *Bluetooth* in close proximity of each other. All devices in a PV system must have the same NetID.

The NetID can be a number from 1 to 9 or a letter from A to F. NetID 0 deactivates the *Bluetooth* module. NetID 1 enables a *Bluetooth* connection with one device.

A free NetID is a NetID that is used by no other PV plant with SMA *Bluetooth* in your vicinity.

Target Group
This task must be performed by a skilled person.

Requirement:

- ☐ The *Bluetooth* devices of your PV plant must be turned off.

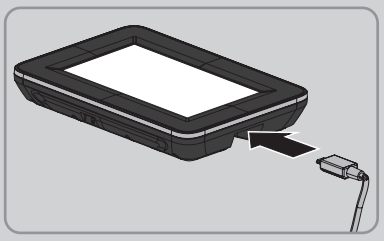
1. Commission the Sunny View at the various locations of each *Bluetooth* enabled device (see Section "Commissioning").
   - ☑ During commissioning, Sunny View will search for all PV plants and display the assigned NetIDs.
2. Select a free NetID and configure all *Bluetooth* enabled devices (see installation manual of the device).

COMMISSIONING

Requirements:

- ☐ The same free NetID is set for all devices.
- ☐ All devices of the PV plant are ready for operation.
- ☐ The PV plant consists of fewer than 12 inverters.

1. Connect the plug-in power supply to the power supply line of the Sunny View.



2. Connect the plug-in power supply to the socket-outlet.
   - ☑ The SMA logo appears.
3. Select the desired language.
4. Select a country.
5. Select [Next].
   - ☑ The following message appears: "Would you like to search for a new plant?"
6. Select [Search].
   - ☑ The Sunny View searches for all PV plants in its environment.
   - ☑ All the NetIDs that were found will be displayed after the search.
7. If the NetID of your PV plant does not appear, select [Repeat search].
   - ☑ The Sunny View displays the selected NetID.
   - ✖ Is the Sunny View not displaying the selected NetID?
     - Reduce the distance between the Sunny View and the device.
     - Check the NetID setting of the devices.
8. Select the NetID of your PV plant.
9. Select [Next].
   - ☑ The Sunny View establishes a connection to the PV plant.
   - ☑ The password prompt appears.
10. Enter the password for the user group "User". Tip: The default password is "0000".
11. Select [Next].
    - ☑ Sunny View connects to the PV plant.
12. If you want to use the 24-hour format for the time display, select the [24-hour format] checkbox.
13. If you want to automatically synchronize the time over the Internet, select the [Automatic] checkbox. After commissioning, a WLAN connection must be established (for information on how to establish the WLAN connection after commissioning, refer to the user manual).
14. Set the time zone, date format and time.
15. Select [Next].
    - ☑ A list of slides is displayed.
16. Select the checkboxes of the slides you want to display. Tip: Select the Info symbol to view additional information on the slide.
17. Select [Next].

☑ The home slides appear.

CONTACT

If you have technical problems concerning our products, please contact the SMA Service Line. We require the following information in order to provide you with the necessary assistance:

- Hardware version of the Sunny View
- Firmware version of the Sunny View
- Firmware version of the SMA *Bluetooth* Piggy-Back in the inverter (if available)
- Type and serial number of the inverter

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